

# Electrochemical Displacement Method for the Investigation of Polycyclic Organic Compounds with DNA

Analytical Chemistry

80, 3910-3914

DOI: [10.1021/ac7024877](https://doi.org/10.1021/ac7024877)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Square-Wave Voltammetry as a Tool for Investigation of Doxorubicin Interactions with DNA Isolated from Neuroblastoma Cells. <i>Electroanalysis</i> , 2009, 21, 487-494.	2.9	26
2	Electrochemical studies of calcium dobesilate and interaction with DNA. <i>Mikrochimica Acta</i> , 2009, 165, 415-420.	5.0	16
3	A structure-based investigation on the binding interaction of hydroxylated polycyclic aromatic hydrocarbons with DNA. <i>Toxicology</i> , 2009, 262, 250-257.	4.2	48
4	CHROMATOGRAPHIC METHOD FOR QUICK ESTIMATION OF DNA INTERACTION POTENCY OF ENVIRONMENTAL POLLUTANTS. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 2044.	4.3	6
5	Anticancer Drug-DNA Interactions Measured Using a Photoinduced Electron-Transfer Mechanism Based on Luminescent Quantum Dots. <i>Analytical Chemistry</i> , 2009, 81, 362-368.	6.5	108
6	Highly sensitive electrochemiluminescence displacement method for the study of DNA/small molecule binding interactions. <i>Analytica Chimica Acta</i> , 2010, 676, 41-45.	5.4	17
7	Electrochemistry of interaction of 2-(2-nitrophenyl)-benzimidazole derivatives with DNA. <i>Bioelectrochemistry</i> , 2010, 79, 162-167.	4.6	21
8	Oligonucleotide stabilized silver nanoclusters as fluorescence probe for drug-DNA interaction investigation. <i>Analytica Chimica Acta</i> , 2011, 706, 338-342.	5.4	52
9	Electrochemical DNA Sensors: From Nanoconstruction to Biosensing. <i>Current Organic Chemistry</i> , 2011, 15, 506-517.	1.6	13
10	DNA biosensors based on metallo-intercalator probes and electrocatalytic amplification. <i>Mikrochimica Acta</i> , 2011, 172, 247-260.	5.0	39
11	Neutral loss and precursor ion scan tandem mass spectrometry for study of activated benzopyrene-DNA adducts. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 1983-1991.	3.7	18
12	Introduction of hematoxylin as an electroactive label for DNA biosensors and its employment in detection of target DNA sequence and single-base mismatch in human papilloma virus corresponding to oligonucleotide. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2638-2644.	10.1	62
13	A new strategy for photoelectrochemical DNA biosensor using chemiluminescence reaction as light source. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2737-2741.	10.1	54
14	Novel amperometric assay for drug-DNA interaction based on an inhibitory effect on an electrocatalytic activity of DNA-Cu(II) complex. <i>Biosensors and Bioelectronics</i> , 2012, 33, 222-227.	10.1	22
15	Targeting human c-Myc promoter duplex DNA with actinomycin D by use of multi-way analysis of quantum-dot-mediated fluorescence resonance energy transfer. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6271-6280.	3.7	13
16	Investigation of DNA Pesticide Interactions by Sensitive Electrochemiluminescence Method. <i>Analytical Letters</i> , 2013, 46, 1255-1266.	1.8	2
17	Electrochemical detection of the amino-substituted naphthalene compounds based on intercalative interaction with hairpin DNA by electrochemical impedance spectroscopy. <i>Biosensors and Bioelectronics</i> , 2013, 48, 238-243.	10.1	26
18	A novel quantum dots-based OFF-ON fluorescent biosensor for highly selective and sensitive detection of double-strand DNA. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 1147-1153.	7.8	46

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19	A successive-reaction nanoreactor made of active molecularly imprinted polymer containing Ag nanoparticles. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15102.	10.3	26
20	Electrochemistry of complex formation of carbaryl with ds-DNA using [Ru(bpy) <sub>2</sub> dppz] <sup>2+</sup> as probe. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 129-136.	2.5	3
21	Nucleic Acid/Quantum Dots (QDs) Hybrid Systems for Optical and Photoelectrochemical Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 2815-2834.	8.0	196
22	Progress of Photoelectrochemical Analysis and Sensors. <i>Chinese Journal of Analytical Chemistry</i> , 2013, 41, 436-444.	1.7	46
23	Binding characteristics and interactive region of 2-phenylpyrazolo[1,5-c]quinazoline with DNA. <i>Luminescence</i> , 2014, 29, 1141-1147.	2.9	12
24	An "reactive" and self-switchable nanoreactor. <i>Polymer Chemistry</i> , 2014, 5, 562-566.	3.9	15
25	Soft and hard multiway FRET-based investigation of interaction between drug and QD labeled DNA. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 139, 33-41.	3.5	11
26	Highly sensitive and selective sensing platform based on "π-π" interaction between tricyclic aromatic hydrocarbons with thionine-graphene composite. <i>Analytica Chimica Acta</i> , 2014, 826, 21-27.	5.4	28
27	Self-switchable catalysis by a nature-inspired polymer nanoreactor containing Pt nanoparticles. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6834-6839.	10.3	27
28	Quantum dots modified with the Al(III)-pefloxacin complex as a novel bioprobe for the sensitive turn-on and dual-fluorescence detection of dsDNA. <i>Mikrochimica Acta</i> , 2015, 182, 297-306.	5.0	3
29	Synthesis, biological and electrochemical evaluation of novel nitroaromatics as potential anticancerous drugs. <i>Bioelectrochemistry</i> , 2015, 104, 85-92.	4.6	26
30	Electrochemical investigation of an interaction of the antidepressant drug aripiprazole with original and damaged calf thymus dsDNA. <i>Electrochimica Acta</i> , 2015, 169, 233-240.	5.2	36
31	Alizarin red S functionalized mesoporous silica modified glassy carbon electrode for electrochemical determination of anthracene. <i>Electrochimica Acta</i> , 2015, 160, 108-113.	5.2	13
32	A bis(2,2'-Bipyridine) (Dipyrido[3, 2-a:2'-c]Phenazine-N <sub>4</sub> N <sub>5</sub> ) Ruthenium(II)-Based Electrochemiluminescence Biosensor for Evaluation of DNA Damage. <i>Analytical Letters</i> , 2015, 48, 116-126.	1.8	1
33	Food borne bacterial models for detection of benzo[a]pyrene-DNA adducts formation using RAPD-PCR. <i>Microbial Biotechnology</i> , 2016, 9, 400-407.	4.2	7
34	A nontargeted screening method for covalent DNA adducts and DNA modification selectivity using liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2016, 159, 93-102.	5.5	10
35	Electrochemical Biosensor for Polycyclic Organic Compounds Screening Based on a Methylene Blue-incorporated DNA Polyion Complex Modified Electrode. <i>Analytical Sciences</i> , 2018, 34, 1131-1135.	1.6	5
36	A Self-Switchable Polymer Reactor for Controlled Catalytic Chemistry Processes with a Hyperbranched Structure. <i>Materials</i> , 2018, 11, 245.	2.9	1

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37	Natural latex-capped silver nanoparticles for two-way electrochemical displacement sensing of Eriochrome black T. <i>Electrochimica Acta</i> , 2020, 356, 136825.	5.2	14
39	In situ evaluation of the biological active poly functionalized novel amino-1,8-naphthyridine derivatives as DNA-electrochemical biosensor. <i>Journal of Taibah University for Science</i> , 2021, 15, 559-566.	2.5	3
40	Electrochemical Monitoring of Interaction of Temozolamide with DNA by Graphene Oxide Modified Single-Use Electrodes. <i>Journal of the Electrochemical Society</i> , 2022, 169, 026513.	2.9	4